

RECEIVED

FORM OGC-3

OCT 18 2012

STATE OF MISSOURI
GEOLOGICAL SURVEY PROGRAM

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

☒ APPLICATION TO DRILL ☐ DEEPEN ☐ PLUG BACK ☒ FOR AN OIL WELL ☐ OR GAS WELL

NAME OF COMPANY OR OPERATOR
Kansas Resource Exploration and Development, LLC

DATE
10/10/2012

ADDRESS
9393 West 110th St., Suite 500

CITY
Overland Park

STATE
KS

ZIP CODE
66210

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE
Clark-Berry

WELL NUMBER
CB-33

ELEVATION (GROUND)
1076'

WELL LOCATION
(GIVE FOOTAGE FROM SECTION LINES)
639 ft. from ☐ North ☒ South section line 1228 ft. from ☒ East ☐ West section line

WELL LOCATION
Sec. 16 Township 46 North Range 33 ☐ East ☒ West

LATITUDE
N38 48' 13.44"

LONGITUDE
W94 34' 18.94"

COUNTY
Cass

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 639 FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE 367 FEET

PROPOSED DEPTH
700' elev. 376

DRILLING CONTRACTOR, NAME AND ADDRESS
Utah Oil, LLC

ROTARY OR CABLE TOOLS
Rotary

APPROX. DATE WORK WILL START
11/01/2012

NUMBER OF ACRES IN LEASE
370

NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 7

NUMBER OF ABANDONED WELLS ON LEASE 0

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?

NAME DE Exploration

ADDRESS 4595 Highway K33, Wellsville, KS 66092

NO. OF WELLS PRODUCING 4
INJECTION 2
INACTIVE 0
ABANDONED 0

STATUS OF BOND

☐ SINGLE WELL
AMOUNT \$

☒ BLANKET BOND
AMOUNT \$ 160,000

☒ ON FILE
☐ ATTACHED

REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING/INJECTION ZONE AND EXPECTED NEW INJECTION ZONE; USE BACK OF FORM IF NEEDED)

PROPOSED CASING PROGRAM

APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST

AMOUNT	SIZE	WT/FT	CEMENT	AMOUNT	SIZE	WT/FT	CEMENT
20'	8 5/8"	20	8 sks	20'	8 5/8"	20	Full Length
700'	4 1/2"	11.6	125 sks	700'	4 1/2"	11.6	

I, the Undersigned, state that I am the C.O.O. of the K.R.E.D. (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE
TSK

DATE
10/15/12

PERMIT NUMBER
037-21157

APPROVED DATE
12-5-12

APPROVED BY
Joseph A. [Signature]

☒ DRILLER'S LOG REQUIRED ☒ E-LOGS REQUIRED IF RUN
☒ CORE ANALYSIS REQUIRED IF RUN ☒ DRILL SYSTEM TEST INFO REQUIRED IF RUN
☐ SAMPLES REQUIRED
☒ SAMPLES NOT REQUIRED
☐ WATER SAMPLES REQUIRED AT

NOTE: THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION.

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE

I, B. Leech of the Utah Oil (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATURE
B. Leech

DATE
10/16/12

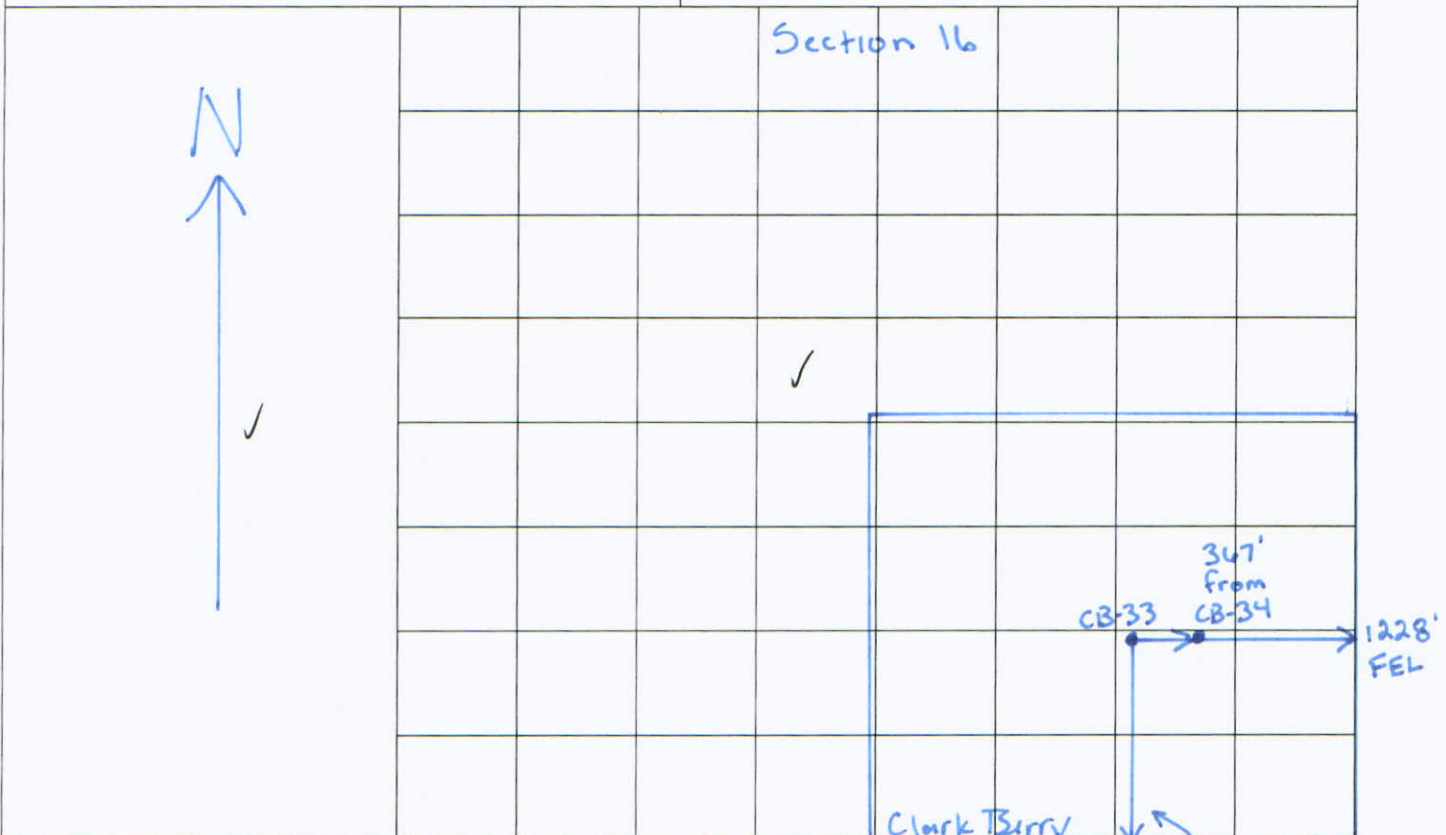
P ~ 180' below TD



STATE OF MISSOURI
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
WELL LOCATION PLAT

FORM OGC-4

OWNER'S NAME Kansas Resource Exploration & Development	
LEASE NAME Clark-Berry CB-33	COUNTY Cass
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) 639 <input checked="" type="checkbox"/> ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South from section line 1228 <input checked="" type="checkbox"/> ft. from <input checked="" type="checkbox"/> East <input type="checkbox"/> West from section line	
WELL LOCATION Sec. 16 Township 46 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West	
LATITUDE N38° 48' 13.44" <input checked="" type="checkbox"/>	LONGITUDE W94° 34' 18.94" <input checked="" type="checkbox"/>



REMARKS
Section 16 is larger than 1 square mile. One square equals 682.25 feet, which accounts for the larger dimensions of this section.

INSTRUCTIONS On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.	This is to certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.	
REMIT TWO (2) COPIES TO: GEOLOGICAL SURVEY PROGRAM PO BOX 250, ROLLA, MO 65402-0250 (573) 368-2143 ONE (1) COPY WILL BE RETURNED	REGISTERED LAND SURVEYOR	NUMBER



Missouri Department of Natural Resources

Geographic Information Systems

Check Location

Select a coordinate format, enter a pair of coordinates in the boxes below it, and then press the SUBMIT button. Please be patient while your information is retrieved. Your coordinates will be converted to the other formats, the information on the right-hand side of the page will be filled in based on your coordinates, and a map will be generated. NOTE: All coordinates must use the North American Datum of 1983 (NAD83).

<input type="button" value="Submit"/>		UTM Zone 15N [Easting, Northing] [363505.0, 4296170.5] meters	
<input type="radio"/> Universal Transverse Mercator [Zone 15 North]		Decimal Degrees [Lat, Lon] [38.803733°, -94.571928°]	
Easting 363505.0607451135 meters		Deg, Min, Sec [Lat, Lon] [38° 48' 13.4", -94° 34' 18.9"]	
Northing 4296170.533938947 meters		County Name Cass	
		County FIPS Code 037	
		Legal Description Section 16 T46N R33W	
		Municipality NO VALUE	
		House District 123	
		Senate District 31	
		Congressional District 5	
<input type="radio"/> Decimal Degrees		MoDNR Region Kansas City Regional Office	
Latitude 38.803733333333334 °		USGS 1:24,000 Quadrangle Belton [38094-G5]	
Longitude -94.5719277777777 °		8 Digit Watershed 10290108 [South Grand]	
		10 Digit Watershed 1029010801 [Headwaters South Grand River]	
		12 Digit Watershed 102901080101 [East Creek]	
<input checked="" type="radio"/> Degrees, Minutes and Seconds		Special Well Drilling Area Area 2	
Latitude Degrees 38 °		Ecological Drainage Unit Central Plains/Osage/South Grand	
Latitude Minutes 48 '		Level III Ecoregion Central Irregular Plains	
Latitude Seconds 13.44 "		Query Time 5.781 s	
Longitude Degrees -94 °			
Longitude Minutes 34 '			
Longitude Seconds 18.94 "			

Rows with red text indicate that the input location is too close to a boundary to produce reliable results.

NOTE: A result of 'NO VALUE' is usually an indication that no data was found for the location. For example, not every point in Missouri will lie within a municipal boundary, so some will result in a 'NO VALUE'. If 'County Name' results in 'NO VALUE', your point probably lies outside the state.

Well ID: #005390

Elev. 1069'

$\frac{IP}{M} : 229' \text{ elev. } IP_c - M = 345'$

Well ID: #026255

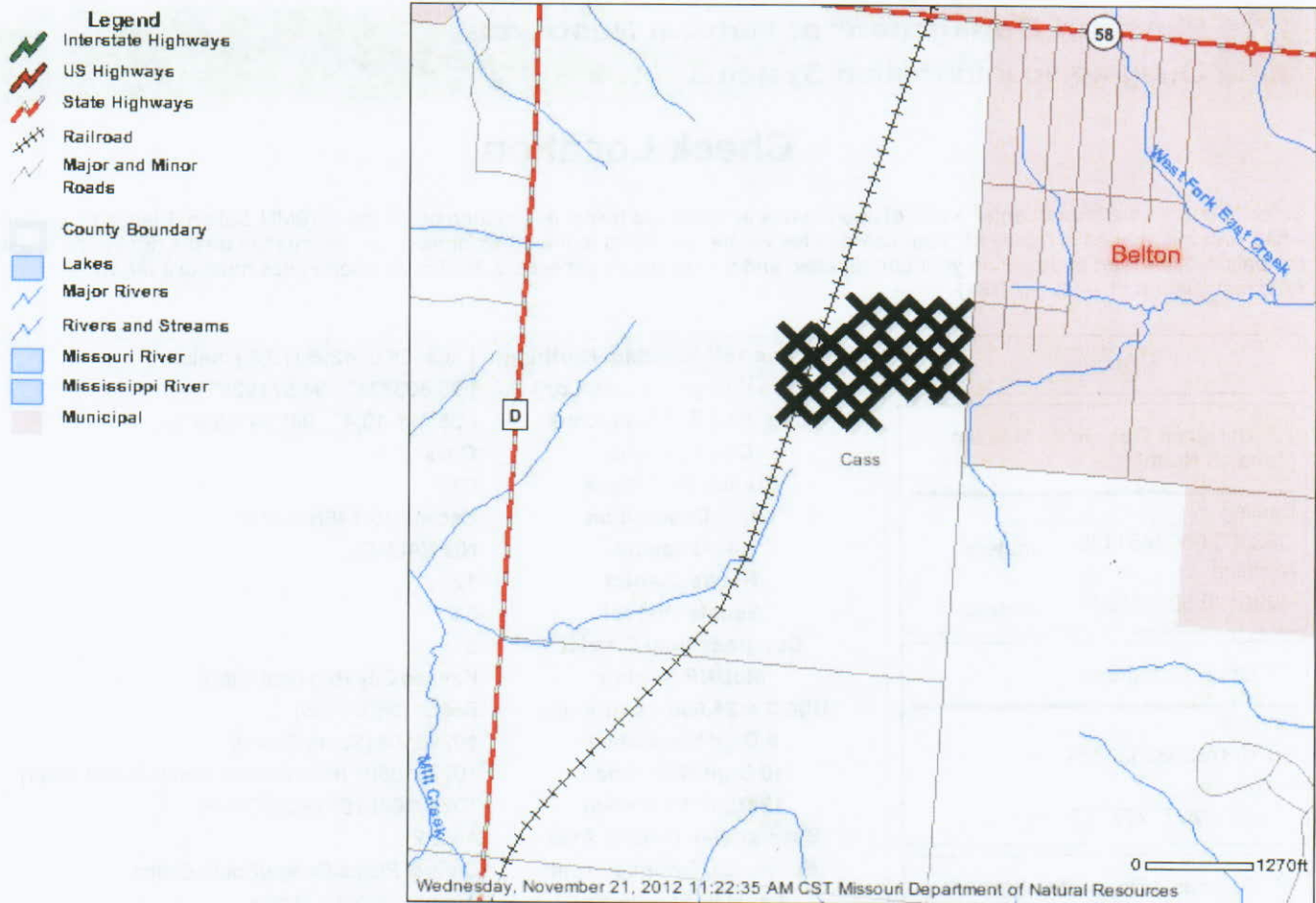
$IP_c : 535' \text{ TD}$

1076-535'-345'

$\Rightarrow \frac{IP}{M} \sim 196' \text{ elev.}$

Metadata

- Interstate Highways
- US Highways
- State Highways
- Railroad
- Major and Minor Roads
- County Boundary
- Lakes
- Major Rivers
- Rivers and Streams
- Missouri River
- Mississippi River
- Municipal



View Scale 1:24,000

DISCLAIMER: Although this map has been compiled by the Missouri Department of Natural Resources, no warranty, expressed or implied, is made by the department as to the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the department in the use of these data or related materials.



Missouri
Department of
Natural Resources

P.O. Box 176, Jefferson City, MO 65102
800-361-4827 / 573-751-3443
E-mail: contact@dnr.mo.gov